## Molecular and Cellular Biochemistry:

## An International Journal for Chemical Biology in Health and Disease

## CONTENTS VOLUME 278, Nos. 1 & 2, October 2005

| J. Barta, A. Tóth, I. Édes, M. Vaszily, J.G. Papp, A. Varró and Z. Papp: Calpain-1-sensitive myofibrillar proteins of the human myocardium   | 1-8     |
|--|---------|
| S. Narayanan, D. Ruma, B. Gitika, S.K. Sharma, T. Pauline, M. Sai Ram, G. Ilavazhagan, R.C. Sawhney, D. Kumar and P.K. Banerjee: Antioxidant activities  |         |
| of seabuckthorn (Hippophae rhamnoides) during hypoxia induced oxidative stress in glial cells  | 9-14    |
| M.C. Saez, C. Barriga, J.J. Garcia, A.B. Rodriguez, J. Masot, E. Duran and E. Ortega: Melatonin increases the survival time of animals with untreated  | 16.20   |
| mammary tumours: Neuroendocrine stabilization  | 15-20   |
| A. Preet, B.L. Gupta, M.R. Siddiqui, P.K. Yadava and N.Z. Baquer: Restoration of ultrastructural and biochemical changes in alloxan-induced diabetic rat sciatic nerve on treatment with Na <sub>3</sub> VO <sub>4</sub> and Trigonella – a promising antidiabetic agent   | 21 21   |
| N. Türközkan, I. Seven, H. Erdamar and B. Çimen: Effect of vitamin A pretreatment on <i>Escherichia coli</i> -induced lipid peroxidation and level of 3-nitrotyrosine  | 21-31   |
| in kidney of guinea pig  | 33-37   |
| J.Y. Kong, S.S. Klassen and S.W. Rabkin: Ceramide activates a mitochondrial p38 mitogen-activated protein kinase: A potential mechanism for loss of  | 33-31   |
| mitochondrial transmembrane potential and apoptosis  | 39-51   |
| J.J. Chmielinska, M.I. Tejero-Taldo, I.T. Mak and W.B. Weglicki: Intestinal and cardiac inflammatory response shows enhanced endotoxin receptor (CD14)   |         |
| expression in magnesium deficiency   | 53-57   |
| S.W. Jessie and T.P. Krishnakantha: Inhibition of human platelet aggregation and membrane lipid peroxidation by food spice, saffron  | 59-63   |
| \$. Coşkun, F. Karataş, F. Acartürk, H. Olmuş, M. Selvi and D. Erbaş: The effect of L-NAME administrations after oral mucosal incision on wound NO level   |         |
| in rabbit  | 65-69   |
| J.V. Adrogue, S. Sharma, K. Ngumbela, M.F. Essop and H. Taegtmeyer: Acclimatization to chronic hypotaric hypoxia is associated with a differential   |         |
| transcriptional profile between the right and left ventricle   | 71-78   |
| A. Koc, M. Duru, H. Ciralik, R. Akcan and S. Sogut: Protective agent, erdosteine, against cisplatin-induced hepatic oxidant injury in rats   | 79-84   |
| I. Boušová, H. Bakala, R. Chudáček, V. Palička and J. Dršata: Glycation-induced inactivation of aspartate aminotransferase, effect of uric acid  | 85-92   |
| C. Constantinou, M. Margarity and T. Valcana: Region-specific effects of hypothyroidism on the relative expression of thyroid hormone receptors in adult<br>rat brain  | 93-100  |
| S. Geetha, V. Singh, M. Sai Ram, G. Ilavazhagan, P.K. Banerjee and R.C. Sawhney: Immunomodulatory effects of seabuckthorn (Hippophae rhamnoides L.)  |         |
| against chromium (VI) induced immunosuppression  | 101-109 |
| N.M. Gandhi and C.K.K. Nair: Protection of DNA and membrane from gamma radiation induced damage by gallic acid   | 111-117 |
| R.P. Pandian, V.K. Kutala, A. Liaugminas, N.L. Parinandi and P. Kuppusamy: Lipopolysaccharide-induced alterations in oxygen consumption and radical  |         |
| generation in endothelial cells  | 119-127 |
| V. Zaha, R. Nitschke, H. Göbel, U. Fischer-Rasokat, C. Zechner and T. Doenst: Discrepancy between GLUT4 translocation and glucose uptake after   | 120 127 |
| ischemia  A Dhe C Chaire C Dhe C Buy B Shows and S.Y. Bossian Maleurlas besis of protection offers by greating and great part of the protection of the prote | 129-137 |
| A. Dhar, G. Cherian, G. Dhar, G. Ray, R. Sharma and S.K. Banerjee: Molecular basis of protective effect by crocetin on survival and liver tissue damage<br>following hemorrhagic shock   | 139-146 |
| M.K. Ghosh, A. Katyal, R. Chandra and V. Brahmachari: Targeted activation of transcription in vivo through hairpin-triplex forming oligonucleotide in  | 137-140 |
| Sacchamyres cerevisiae   | 147-155 |
| H. Yuki, R. Hamanaka, T. Shinohara, K. Sakai and M. Watanabe: A novel approach for N-glycosylation studies using detergent extracted microsomes  | 157-163 |
| Y. Jiang, D.W. Cheng, E.D. Crook and L.P. Singh: Transforming growth factor β1 regulation of laminin γ1 and fibronectin expression and survival of mouse   |         |
| mesangial cells  | 165-175 |
| D. Kaul, A.R. Shukla, K. Sikand and V. Dhawan: Effect of herbal polyphenols on atherogenic transcriptome   | 177-184 |
| D.P. Gelain, E.A. Casali, R.B. de Oliveira, L.F. de Souza, F. Barreto, F. Dal-Pizzol and J.C.F. Moreira: Effects of follicle-stimulating hormone and vitamin   |         |
| A upon purinergic secretion by rat Sertoli cells   | 185-194 |
| R. Prasad and V. Kumar: Thyroid hormones increase Na <sup>+</sup> -P <sub>1</sub> co-transport activity in intestinal brush border membrane: Role of membrane lipid composition and fluidity   | 195-202 |
| I. Santa-María, F. Hernández, M.A. Smith, G. Perry, J. Avila and F.J. Moreno: Neurotoxic dopamine quinone facilitates the assembly of tau into fibrillar   | .,,     |
| polymers   | 203-212 |
| R.N. Sharan, B.J. Devi, J.O. Humtsoe, J.R. Saikia and L. Kma: Detection and quantification of poly-ADP-ribosylated cellular proteins of spleen and liver   |         |
| tissues of mice in vivo by slot and Western blot immunoprobing using polyclonal antibody against mouse ADP-ribose polymer  | 213-221 |
| A.M. Vogt, A. Elsässer, A. Pott-Beckert, C. Ackermann, S.Y. Vetter, M. Yildiz, W. Schoels, D.A. Fell, H.A. Katus and W. Kübler: Myocardial energy  |         |
| metabolism in ischemic preconditioning and cardioplegia: A metabolic control analysis  | 223-232 |
| Index to Volume 278  | 233-235 |
| Instructions for Authors   | 237     |



Instructions for Authors